

AMENDMENTS TO THE CLAIMS

1. (Original) A composition for osteoinduction which comprises a composite material comprising an acidic-phospholipid complex and collagen, wherein the complex comprises calcium, phospholipids, and inorganic phosphate.
2. (Original) The composition of claim 1, wherein the complex comprises calcium, phospholipid, and inorganic phosphate in a molar ratio range of 45-55 parts calcium:35-45 parts phospholipid:5-15 parts inorganic phosphate, respectively.
3. (Original) The composition of claim 1, wherein the complex comprises calcium, phospholipid, and inorganic phosphate in a molar ratio range of 47-53 parts calcium:38-42 parts phospholipid:8-12 parts inorganic phosphate, respectively.
4. (Original) The composition of claim 1, wherein the complex comprises calcium, phospholipid, and inorganic phosphate in a molar ratio of 50 parts calcium:40 parts phospholipid:10 parts inorganic phosphate, respectively.
5. (Original) The composition of claim 1, wherein the calcium is calcium chloride or soluble calcium salts of any other weak or strong acid.
6. (Withdrawn)
7. (Withdrawn)
8. (Original) The composition of claim 1, wherein the phospholipid is phosphatidylserine.
9. (Original) The composition of claim 8, wherein the phosphatidylserine has fatty acid chains, which have at least 12 carbons per chain that are identical or different, saturated or unsaturated.

10. (Original) The composition of claim 1, wherein the inorganic phosphate is ammonium acid phosphate.

11. (Original) The composition of claim 1, wherein the inorganic phosphate is an acid phosphate salt.

12. (Withdrawn)

13. (Withdrawn)

14. (Original) The composition of claim 1, wherein the collagen is type I collagen.

15.-23. (Withdrawn)

24. (Currently Amended) A method for inducing the growth of bone in a mammal comprising applying an effective growth stimulating amount of a complexed-acidic-phospholipid-collagen composite at a site in need of desired tissue growth selected from the group consisting of bone, calcifying cartilage, dentin, and cementum, wherein the complexed-acidic-phospholipid-collagen composite comprises calcium, phospholipid, inorganic phosphate, and collagen.

25.-28. (Cancelled)

29. (Original) The method of claim 24, wherein the composite is in paste form, sponge form, molded form, or preadsorbed onto an implant material.

30. (Original) The method of claim 24, wherein the composite is encapsulated by an organic polymer.

31. (Original) The method of claim 30, wherein the organic polymer is selected from polyglycolic acid, nylon, and polypropylene.
32. (Currently Amended) The method of claim 30, further comprising one or more materials selected from the group consisting of autologous osteoblasts, odontoblasts, antibiotics, growth factors, cytokines, ~~and nanomaterials~~ carbon fibers, and nanotubes.
33. (Original) The method of claim 24, wherein said effective growth stimulating amount ranges between about 5 mg and about 5g.
34. (Original) The method of claim 24, wherein said effective growth stimulating amount ranges between about 5 g and about 100g.